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(54) RESIN MASTERBATCH FOR COLORING

(57) Abstract:

PROBLEM TO BE SOLVED: To stably produce a high-quality colored polyolefin film without allowing resinous deposits to appear in a process for producing the same from a mixture comprising a diluting resin and a color masterbatch by using a color masterbatch prepared by using a polyolefin resin having the same quality as that of the diluting resin,

SOLUTION: This masterbatch is for coloring a 5-200 μm -thick polyolefin film and is prepared by using a polyolefin resin having the same quality as that of a diluting resin for producing the film. Preferably, the masterbatch comprises 30-99.95 wt.% polyolefin resin, 0.01-60 wt.% pigment, 0.01-60 wt.% polyethylene wax, 0.01-5 wt.% metal soap, and 0.01-3 wt.% phenolic antioxidant. The wt. average mol.wt. of the polyolefin resin is preferably 20,000 or higher, The polyethylene wax is preferably a low-molecular weight polyethylene having a number average mol.wt. of 300-8,000.

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